AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings, of claims in the applications.

1   1.   (Original) A method for resolving network connectivity, the

2   method comprising:

3   determining whether a first device is included in a portion of a

4   network in which the first device can receive information directed to all devices

5   included within the portion of the network;

6   obtaining a first identifier associated with the portion of the

7   network;

8   assigning a second identifier to the portion of the network unique to

9   other portions of the network;

10   modifying the first identifier associated with the portion of the

11   network to include the second identifier; and

12   associating the modified first identifier with the first device and the

13   portion of the network.

1   2.   (Original) The method of claim 1, comprising:

2   identifying a second device included in the portion of the network;

3   and

4   associating the modified first identifier with the second device.

1   3.   (Original) The method of claim 1, comprising:

2   presenting a first symbol identifying the first device, connected to a

3   second symbol identifying the portion of the network using the modified first

4   identifier.

1   4.   (Original) The method of claim 1, wherein the portion of the

2   network is a broadcast domain.

1   5.   (Original) The method of claim 1, wherein the portion of the

2   network is a Virtual Local Area Network (VLAN).

1   6.   (Original) The method of claim 5, wherein the first device is a

2   network switch including a Management Information Base (MIB) configured to

3   store an identifier of the VLAN.

1   7.   (Original) The method of claim 6, wherein obtaining the first

2   identifier associated with the portion of the network comprises:

3   using a Simple Network Management Protocol (SNMP) query to

4   obtain the identifier of the VLAN from the MIB as the first identifier.

1   8.   (Original) The method of claim 1, wherein the first device is a port

2   included in a network switch.

1   9.   (Original) The method of claim 1, wherein the first device is

2   coupled to other portions of the network by a network router.

1   10.   (Original) A system for resolving network connectivity, the system

2   comprising:

3   memory; and

4   a processor, including:

5   logic configured to determine, using information stored in

6   the memory, whether a first device is included in a portion of a network in which

7   the first device can receive information directed to all devices included within the

8   portion of the network;

9   logic configured to obtain, from the memory, a first

10   identifier associated with the portion of the network;

11   logic configured to assign a second identifier to the portion

12   of the network unique to other portions of the network;

13   logic configured to modify the first identifier associated with

14   the portion of the network to include the second identifier; and

15   logic configured to associate the modified first identifier with

16   the first device and the portion of the network.

1   11.   (Original) The system of claim 10, wherein the processor

2   comprises:

3   logic configured to identify, using information stored in the

4   memory, a second device included in the portion of the network; and

5   logic configured to associate the modified first identifier with the

6   second device.

1   12.   (Original) The system of claim 10, comprising:

2   a display;

3   wherein the processor comprises logic configured to present on the

4   display a first symbol identifying the first device, connected to a second symbol

5   identifying the portion of the network using the modified first identifier.

1   13.   (Original) The system of claim 10, wherein the portion of the

2   network is a broadcast domain.

1   14.   (Original) The system of claim 10, wherein the portion of the

2   network is a Virtual Local Area Network (VLAN).

1   15.   (Original) The system of claim 14, wherein the first device is a

2   network switch including a Management Information Base (MIB) as a portion of

3   the memory, the MIB being configured to store an identifier of the VLAN.

1   16.   (Original) The system of claim 15, wherein obtaining the first

2   identifier associated with the portion of the network comprises:

3   using a Simple Network Management Protocol (SNMP) query to

4   obtain the identifier of the VLAN from the MIB as the first identifier.

1   17.   (Original) The system of claim 15, wherein the information stored

2   in the memory used in determining whether a first device is included in a portion

3   of a network includes a first table having an entry associating an identifier of the

4   network switch with the identifier of the VLAN.

1   18.   (Original) The system of claim 15, wherein the memory includes a

2   second table having an entry associating an identifier of the network switch with

3   the second identifier.

1   19.   (Original) The system of claim 10, wherein the first device is a port

2   included in a network switch.

1   20.   (Original) The system of claim 10, wherein the first device is

2   coupled to other portions of the network by a network router.

1   21.   (Original) A computer readable medium containing a computer

2   program for resolving network connectivity, wherein the computer program

3   comprises executable instructions for:

4   determining whether a first device is included in a portion of a

5 network in which the first device can receive information directed to all devices

6 included within the portion of the network;

7   obtaining a first identifier associated with the portion of the

8 network;

9   assigning a second identifier to the portion of the network unique to

10 other portions of the network;

11   modifying the first identifier associated with the portion of the

12 network to include the second identifier; and

13   associating the modified first identifier with the first device and the

14 portion of the network.

1   22. (Original) The computer readable medium of claim 21, wherein the

2 computer program comprises executable instructions for:

3   identifying a second device included in the portion of the network;

4 and

5   associating the modified first identifier with the second device.

1   23. (Original) The computer readable medium of claim 21, wherein the

2 computer program comprises executable instructions for:

3   presenting a first symbol identifying the first device, connected to a

4 second symbol identifying the portion of the network using the modified first

5 identifier.

1   24.   (Original) The computer readable medium of claim 21, wherein the

2   portion of the network is a Virtual Local Area Network (VLAN).

1   25.   (Original) The computer readable medium of claim 24, wherein the

2   first device is a network switch including a Management Information Base (MIB)

3   configured to store an identifier of the VLAN.

1   26.   (Original) The computer readable medium of claim 25, wherein in

2   obtaining the first identifier associated with the portion of the network, the

3   computer program comprises executable instructions for:

4   using a Simple Network Management Protocol (SNMP) query to

5   obtain the identifier of the VLAN from the MIB as the first identifier.

Please add the following new claims:

1   27.   (NEW) A system for resolving network connectivity, the system

2   comprising:

3   means for determining a first identifier associated with a portion of

4   a network in which a device can receive information directed to all devices

5   included within the portion of the network;

6   means for determining a second identifier associated with the

7   portion of the network unique to other portions of the network; and

8   means for associating the first and second identifiers with the device

9   and the portion of the network.

1   28.   (NEW) The system of claim 27, wherein the means for associating

2   comprises:

3   means for modifying the first identifier associated with the portion

4   of the network to include the second identifier.

1   29.   (NEW) The system of claim 27, comprising:

2   means for presenting an association between the device and the

3   portion of the network based on the first and second identifiers.

1   30.   (NEW) The system of claim 27, wherein the device comprises:

2   means for storing the first identifier.